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**CORRECTED  
NOTICE OF ALLOWANCE AND FEE(S) DUE**

30541 7590 04/02/2004  
LAW OFFICE OF JOHN LIGON  
505 HIGHLAND AVENUE  
P.O. BOX 43485  
UPPER MONTCLAIR, NJ 07043

EXAMINER

NGUYEN, KHIEM M

ART UNIT

CLASS-SUBCLASS

2839

385-134000

DATE MAILED: 04/02/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/813,615	03/21/2001	Neal A. Janus	JANUS 9-11-7-18	3019

TITLE OF INVENTION: OPTICAL FIBER CABLE SWIVEL FOR FIBER OPTIC DISTRIBUTION FRAMES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	05/12/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** NEITHER A NOTICE OF ALLOWANCE NOR A CORRECTED NOTICE OF ALLOWANCE IS A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND ANY PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN **THE THREE MONTH PERIOD BEGINNING ON THE MAILING DATE OF THE PREVIOUSLY-MAILED NOTICE OF ALLOWANCE AND ENDING ON THE DATE DUE SHOWN ON THIS FORM, OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. MAILING OF THIS CORRECTED NOTICE OF ALLOWANCE DOES NOT CHANGE THE DATE DUE OF THE ISSUE FEE (AND ANY REQUIRED PUBLICATION FEE). IF A REPLY (WITH PAYMENT OF THE ISSUE FEE AND ANY PUBLICATION FEE) WAS FILED IN RESPONSE TO THE PREVIOUSLY-MAILED NOTICE OF ALLOWANCE, THEN NO FURTHER REPLY IS REQUIRED FROM APPLICANT.

All communications regarding this application must include the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE, unless advised to the contrary.



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30541	7590	04/02/2004	EXAMINER	
LAW OFFICE OF JOHN LIGON 505 HIGHLAND AVENUE P.O. BOX 43485 UPPER MONTCLAIR, NJ 07043			NGUYEN, KHIEM M	
			ART UNIT	PAPER NUMBER
			2839	
DATE MAILED: 04/02/2004				

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 372 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 372 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

**supplemental  
Notice of Allowability**

Application No.

09/813,615

Examiner

Khiem Nguyen

Applicant(s)

JANUS ET AL.

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*pu*

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to \_\_\_\_\_.
2. ☒ The allowed claim(s) is/are 1,6,8-11,13 and 14.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☒ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

*Khiem Nguyen*  
Khiem Nguyen  
Primary Examiner  
Art Unit: 2839

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with John Ligon on 3/8/04.

The application has been amended as follows:

In the specification, on page 11 at line 21, after "members" insert —499—.

The claims have been amended as follows:

1. A device for flexibly routing and securing optical fibers in compliance with a predetermined minimum bend radius, said device comprising:

a plurality of cooperating and contiguous surfaces;

a horizontal member joining said surfaces, said horizontal member separating said plurality of surfaces into functionally different compartments, and at least one of said plurality of surfaces forming a curved surface having a radius of curvature greater than a predetermined minimum bend radius; and

a clamping means disposed to secure said optical fibers proximate to said curved surface as routing of said fibers is changed from a first direction to a second direction.

Cancel Claim No. 2.

Cancel Claim No. 3.

Cancel Claim No. 4.

Cancel Claim No. 5.

6. A device for directing an optical fiber through an entry portal of a shelf from the interior of said shelf to a raceway extending from the exterior of said shelf while maintaining a predetermined minimum fiber bend radius, comprising:

a plurality of contiguous and cooperating sub-surfaces including a horizontal member interconnecting said sub-surfaces;

at least one of said subsurfaces having a radius of curvature greater than a predetermined minimum bend radius situated to guide said fiber and restrict said fiber to a predetermined bend radius; and

a clamping means disposed to secure said optical fiber proximate to said plurality of contiguous and cooperating sub-surfaces as routing of said fibers is changed from a first direction to a second direction

~~a retaining strip perpendicular to said horizontal member and having an access slot for said optical fiber; and~~

~~a peg member at a first mounting position on said horizontal member.~~

Cancel Claim No. 7.

8. The invention set forth in claim 6 wherein another of said subsurfaces includes a fiber access slot forming an entry portal for fibers communicating between the interior and exterior of said shelf.

9. The invention set forth in claim 8 wherein said surface containing said access slot additionally incorporates a shelf securement arrangement for orienting said

device in a first position, or in a second position which is 180° out of phase to accommodate top and bottom cable routing and securement.

10. A cable swivel device for routing optical fiber through an entry portal of a fiber optic shelf, said cable swivel device maintaining predetermined fiber bend limits as said optical fiber directed in a first direction is redirected in a second direction substantially different from said first direction, the cable swivel comprising:

a plurality of sub-surfaces;

a clamping means disposed relative to said plurality of surfaces; and

~~a plurality of horizontal member[s], each said horizontal member having a first end and a second end, said first end connected to said plurality of sub-surfaces to form a curved surface having a radius of curvature greater than a predetermined minimum bend radius, said curved surface maintaining a consistent pathway for said optical fiber along said radius of curvature when said fiber is routed in said first direction and said second direction~~

~~a retaining strip, said retaining strip being perpendicular to said horizontal members and connected to said second end of each of said horizontal members; and~~

~~said retaining strip having an access slot for said optical fiber.~~

11. The invention set forth in claim 10 further including a shelf entry portal in another one of said sub-surfaces to furnish routing access between an exterior and interior surface of shelf.

Cancel Claim No. 12.

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13. The invention set forth in claim 11 wherein said shelf interior wall contains peg members, and said sub-surface having said portal cooperates with said peg members to locate the device relative to said shelf.

14. The invention set forth in claim 13 wherein the said peg members and sub-surface cooperate to provide securement in two positions which are 180° relatively apart.

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2. The following changes to the drawings have been approved by the examiner and agreed upon by applicant: In figure 3c, numeral 499 are to be added to indicate the peg members (see attachment). In order to avoid abandonment of the application, applicant must make these above agreed upon drawing changes.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khiem Nguyen whose telephone number is 571 272-2096. The examiner can normally be reached on Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn Feild can be reached on 571 272-2800 ext 39. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Khiem Nguyen  
Primary Examiner  
Art Unit 2839